

Title (en)
PRESSURE PADS FOR A SINGLE OR MULTI-PLATEN PRESS

Title (de)
PRESSPOLSTER FÜR EINE EIN- ODER MEHRETAGENPRESSE

Title (fr)
COUSSIN DE PRESSE POUR PRESSE À UN OU PLUSIEURS ÉTAGES

Publication
EP 2756947 B1 20170426 (DE)

Application
EP 13194588 A 20131127

Priority
DE 102013100433 A 20130116

Abstract (en)
[origin: EP2756947A1] The press cushion comprises a flat contexture (8) made from threads or fibers, and a silicon elastomeric material made by crosslinking silicon rubber or a copolymer made by crosslinking silicon rubber and fluor silicon rubber or a copolymer made by crosslinking silicon rubber and fluor rubber. The silicon elastomeric material and the copolymer are addition crosslinked. The flat contexture is a woven material or a knitted material. The silicon elastomeric material or the copolymer is provided in the press cushion as a coherent layer or included in threads. The press cushion comprises a flat contexture (8) made from threads or fibers, and a silicon elastomeric material made by crosslinking silicon rubber or a copolymer made by crosslinking silicon rubber and fluor silicon rubber or a copolymer made by crosslinking silicon rubber and fluor rubber. The silicon elastomeric material and the copolymer are addition crosslinked. The flat contexture is a woven material or a knitted material. The silicon elastomeric material or the copolymer is provided in the press cushion as a coherent layer or included in threads that are in particular provided as warp threads (11) or weft threads of a fabric. The threads of the flat contexture include: a core made from monofilament or multifilament metal threads or made from monofilament or multifilament high temperature resistant plastic laminates; a jacket made from silicon elastomeric material or a copolymer; and monofilament or multifilament metal threads at their outer enveloping surface. The threads of the flat contexture are partially embedded in the silicon elastomeric material or the copolymer and connected with the silicon elastomeric material or the copolymer in a force transmitting manner. The silicon elastomeric material or the copolymer includes a metal portion, which is provided as a metal powder that is homogeneously distributed in the silicon elastomeric material or in the copolymer. The woven material includes: a thread system comprising threads including the silicone elastomeric material or the copolymer; and another thread system including monofilament or multifilament metal threads, preferably copper or brass threads. The cushion is provided at one surface or at both opposite surfaces of a heating press with a full surface cover provided as a coating or a foil. A friction coefficient of the full surface cover is 0.01-0.5. The full surface cover is firmly connected with the press cushion through a glue in a full surface glue layer, where the glue or the glue layer is high temperature resistant.

IPC 8 full level
B32B 5/00 (2006.01); **B30B 15/06** (2006.01); **D03D 15/56** (2021.01)

CPC (source: EP KR US)
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Citation (examination)
MALCZEWSKI R.M., JAHN D.A., SCHOENHERR W.J.: "Peroxide or Platinum? Cure System Considerations for Silicone Tubing", DOW CORNING CORPORATION, 2003

Cited by
US12005667B2; WO2017125540A1

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